Sweaty 2020

Robot Name: Sweaty 2.0
Height of the robot: 172 cm
Weight of the robot: 26 kg
Walking speed: 0.25 m/s
Number of degrees of freedom: 34
Type of motors: 14x Maxon (ankle, knee, hip, torso), 4x Maxon (arm) 8x Robotis Dynamixel (arms and head), 8x Firgelli (fingers)
Type of sensors used: 2x UI-3241 LE-C 1280x1024 1:1.8
Computing units: NVIDIA Jetson AGX Xavier (Decision, Motion, Vision)
23x STM32F4 (low level controller)
Height shoulder: 140 cm
Width shoulder: 49 cm
Height hip: 76 cm
Height torso: 38 cm
Length arm: 65 cm
Height of CoM: 85 cm
Number and Typ of Buses: 1x TCP/IP, 2x CAN, 2x RS485
Battery: 2x LiPo 7S1P 4 Ah 40C
Robot Name: Sweaty III
Height of the robot: 166 cm
Weight of the robot: 27 kg
Walking speed: 0.35 m/s
Number of degrees of freedom: 35
Type of motors:
15x Maxon (ankle, knee, hip, torso), 4x Maxon (arm) 8x Robotis Dynamixel (arms and head), 8x Firgelli (fingers)
Type of sensors used:
ZED mini
2x MTI-20
Computing units:
NVIDIA Jetson AGX Xavier (Decision, Motion, Vision)
23x STM32F4 (low level controller)
Height shoulder: 141 cm
Width shoulder: 66 cm
Height hip: 75 cm
Height torso: 38 cm
Length arm: 70 cm
Height of CoM: 80 cm
Number and Typ of Buses: 1x TCP/IP, 2x CAN, 2x RS485
Battery: 2x LiPo 7S1P 4 Ah 40C